

What is claimed is:

1. A tandem pump assembly of the type including a housing defining a fluid inlet port and a fluid outlet port; a first pump disposed in said housing and driven by an input shaft, said first pump comprising a variable displacement, over-center pump, including first fluid pressure responsive means for varying the displacement of said first pump in response to the porting of a control pressure, said first pump having an inlet in fluid communication with said fluid inlet port, and an outlet in fluid communication with said fluid outlet port; a second pump disposed in said housing and driven by said input shaft, said second pump having an inlet in fluid communication with said fluid inlet port, and an outlet in fluid communication with said fluid outlet port; characterized by:
  - (a) said tandem pump assembly including pressure override valve means associated with only said first pump, and operable, in response to a fluid pressure at said fluid outlet port in excess of a pressure override setting, to communicate pressurized fluid to said first fluid pressure responsive means, in a manner tending to decrease the displacement of said first pump without effecting the displacement of said second pump, until said fluid pressure is substantially equal to said pressure override setting.
2. A tandem pump assembly as claimed in claim 1, characterized by said first pump comprises an axial piston pump having a tiltable swashplate, and said first fluid pressure responsive means is operable to vary the tilt angle of said swashplate in response to variations in said control pressure.

3. A tandem pump assembly as claimed in claim 1, characterized by said first fluid pressure responsive means comprising a servo control cylinder including a piston biased by said control pressure toward a position corresponding to increased displacement of said first pump.
4. A tandem pump assembly as claimed in claim 3, characterized by said pressure override valve means including one IPOR valve having its inlet in fluid communication with said outlet of said first pump, said IPOR valve having its outlet in fluid communication with said servo control cylinder to communicate said pressurized fluid thereto to bias said piston in a direction opposite the direction in which said piston is biased by said control pressure.
5. A tandem pump assembly as claimed in claim 1, characterized by a single relief valve assembly having a relief setting, said relief valve assembly being operable, in response to a fluid pressure at said fluid outlet port in excess of said relief setting, to communicate pressurized fluid from said fluid outlet port to said fluid inlet port, until said fluid pressure is substantially equal to said relief setting.
6. A tandem pump assembly as claimed in claim 1, characterized by said second pump comprising a variable displacement pump including second fluid pressure responsive means for varying the displacement of said second pump in response to the porting of said control pressure.